

AXIAL ALIGNING METHOD OF OPTICAL FIBER

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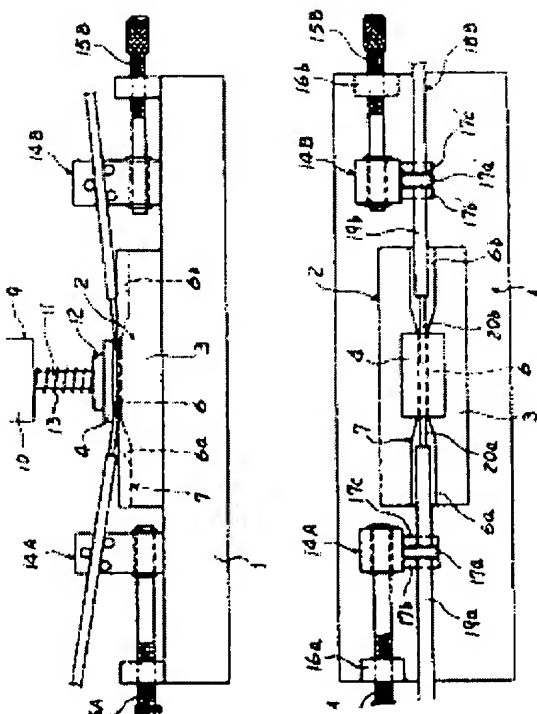
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Abstract of JP55096912

PURPOSE: To let the specified axial alignment state be obtained with ease by making at least one of opposing optical fiber ends slippable and moving one of both of the ends of these optical fibers in the axial center direction.

CONSTITUTION: An axial aligning table 1 is provided with a connector 2 on its top surface, the connector 2 being composed of a substrate 3, pressure plate 4 and covers 5a, 5b. A V-type guide groove 7 having a narrow groove part 6 and wide groove parts 6a, 6b at the center is formed linearly in the lengthwise direction on the top surface of the substrate 3.

The pressure plate 4 is so formed as to be pressed to the substrate 3 by the pressure plate 12 attached to the push rod 10 of a pressing means 9. Optical fibers 18A, 18B are held in the holders 14A, 14B which are movable in the lengthwise direction. After the fiber ends are pressed with the pressure plate 12, the holders 14A, 14B are moved by turning of screw shafts 15A, 15B to butt the end portions of the fibers, thence the end parts are bonded by means of adhesive agents or the like.



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